

**SWAN LAKE FIRST NATION – MATRIX SOLUTIONS
INC. PARTNERSHIP**

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 9

AUGUST 20TH TO AUGUST 25TH

1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Indigenous Construction Monitors that are working on spread nine. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for the weeks of August 20th to August 25th, 2018.

Social and Cultural Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Traditional Use Area (hunting, fishing, gathering, trapping)	N/A			
Rock Formations (rocks of significance, tipi rings, etc.)	N/A			
Artifacts	N/A			
Bones	N/A			
Potential Gravesites	N/A			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	N/A			
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			
Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	N/A			
Watercourse Crossing	N/A			

Additional Observations and Summary of Activities or Concerns

Attended daily safety meetings and SA Energy orientation along with Matrix Solutions

Orientation provided by Greg Lewis. Weekly activity included becoming familiar with the access points on the ROW and

August 20, 2018 - Safety included: Field level hazard assessment, slips, trips and falls Three point contact when entering/exiting vehicle, driving conditions. Dusty roads drive slow/cautious, use spotter when reversing vehicle and avoid congested areas. Weather forecast, clear and sunny with a high of 31. First task was Dead horse creek, no work being done will return at later date. Two watercourse signs knocked out of place at KP 1012+780/1002+250 both are on the North boundary of ROW (Jamie Maxwell) will be notified. Did assessment at KP 1018.61-1018.91 Wetland ID-192, took pics and noticed they did a good job installing the geo tec/t-posts in the proper locations, the top soil/seconds were also placed in a good location. Bores being done between Roads #2,3,4 and showed Jr. Construction Monitor Lorne Parisian how they bore and the equipment used, how they use the stakes for measurement and the over bends and sags used to determine where they need to adjust pipe with bending machine to make it rest in the ground properly after completion. Returned back to Dead horse Creek and no workers have arrived yet, will co-ordinate with SA Energy to see what there ETA will be so we can be ready for them when they arrive. Work forecast, continuing training Junior monitor how pipeline works and the safety involved.

August 21, 2018 - Safety included: Topics discussed were driving around Morden as there will be more people/kids/traffic around and we have to be aware of surroundings at all times, on gravel roads its dry and dusty don't tailgate give lots a space to stop, obey all traffic signs, when passing vehicles slow down so they don't get dusted out or chips from flying rocks. Injuries occur from slips and trips so be careful walking ROW, watch for uneven ground/holes/cracks and when stepping out of vehicle and be aware of slopes you can potentially slip on. Weather forecast, Low 13C High 26C Humidity:44% Wind: W 10/15 km/h Clear skies, dry and dusty. First stop was Thornhill Coulee KP 1035.13 (watercourse) WC#MBR-WC3 and SA Energy have started to strip top soil to get to there required grade, they started laying the flume pipe for drainage and geo tec with t-posts pounded into ground. Observed the hoe operator making his pile to steep and high and his soil started to slide outside of our work boundary, the Inspector with Enbridge noticed and had the operator correct it right away, good job and communication. Received a call from Matrix Solutions General Manager Greg Lewis informing me a Junior monitor, of a job offer to be the Senior Indigenous Construction Monitor at Spread 7 of the line 3 replacement project to assist in training, Junior Monitors and share my knowledge of pipeline. The job starts, August 22, 2018 in Brandon, MB at the Banister yard. It's been a real privilege to work with Mick Morrison, Cory Monkman and Lorne Parisian and the many awesome employees I've met with Enbridge and SA Energy, I've learned new skills that I will utilize and share on Spread 7. Work forecast continue to monitor line by focusing on environmentally sensitive areas.

August 22, 2018 – Safety features included: Slips trips and falls. Dusty roads and watch for wildlife. Weather forecast 16 degrees with a projected high of 29 degrees. Monitored SSKP 1057 to observe frog relocation to clear R.O.W for work to begin in this sensitive water area. Also directed to check on progress on Dead Horse Creek. Made way to Dead Horse Creek. Noted that pads were placed in preparation of heavy equipment. Noted that 6 ducks were swimming in the creek close to the bridge. Arrived at SSKP 1057.300 and noted that there was personal working to prepare area for work to begin. Observed a small crew of personal collecting 47 frogs up to this point while there monitoring wet land. Noted, there is a number of butterflies and traditional plants and medicines. On top of ridge I shifted through piles of the primary dirt pile in search of stones and bones of interest. SSKP 1025 Work forecast, will continue to monitor spread # 9 August 23, 2018 - Safety feature: Dusty roads, slow down, defensive driving, congested work areas. Being aware of stinging insects. Scan area for signs of wild life.

Weather forecast, 18 degrees with a projected high of 31 degrees. Received direction that we will be monitoring SSKP 1035, SSKP 1041, SSKP 1057, SSKP1083 and SSKP1085, keeping close observation for work progressing in these sensitive areas. Dead Horse Creek, Thornhill Coulee, The progress of the building of the frog fence and the reputed Grass Dance area of SSKP1083 and SSKP1085. This morning we observe construction crew placing pads in preparation for heavy equipment to drive across and have access to R.O.W. Noted that ducks were swimming in the creek close to the bridge. Arrived at SSKP 1057.300. Preparing area for work to begin. Observed a small crew of personal collecting frogs up to this and another crew building the fence. Photographed a number of different types of butterflies, crickets and grasshoppers. Noted that butterflies are attracted to the minerals in the dry creek bed. Also observed traditional plants and medicines. Made journey to areas SSKP1083 SSKP 1085. Made way to SSKP1083 and SSKP1085. Work forecast continue to monitor spread 9.

August 24, 2018 – Safety features: Driving: dusty roads, keep distance, wild life. Muster point: check with crews on right-of-way where muster points are located. Communication: ensure good communication by checking in with control as to where personnel are located. Weather forecast is cloudy from wild fires, temp Arrived at SSKP 1057 to a small crew of 3 fence builders and 2 frog locaters. Frog locaters found and relocated 35 frogs when there at site. Once again it was noted that this area SSKP 1057 has a high number of different types moths butterflies crickets birds and in general a high population of wild life. Also snapped pictures of deer tracks located close to the waters edge of the wet pond area. Located numerous medicinal plants. Travelled to 1072-1076-1079-1085 paying close attention to not disturb crops on farmer's fields. Carried on snapping photos of stakes gathering as much familiar land and water on the right-of-way and interesting knowledge of interest that requires monitoring. Work forecast, continue monitoring on spread 9. August 25, 2018 – Safety feature: driving safety is paramount. Dusty roads, driving defensively, paying close attention at all times. Being attentive when on land watching for wildlife. Communication is important. Weather forecast smoky from wild fires and high of 19 with a small chance of rain. Handed areas to be monitored today. Paying close attention to significant sites that may be of interest, possible environmental highlights like fish, frogs. Checked out SSKP's 1057 along with several other SSKP's on route to Gretna pump stations with Lorne

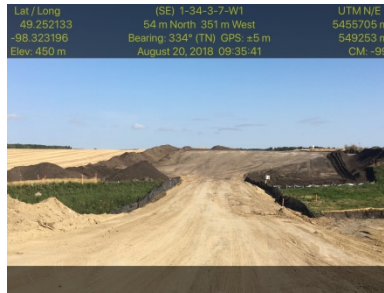
Parisian. Meeting with Enbridge Indigenous construction liaison, Mick Morrison, and Cory Monkman, Indigenous Senior Monitor. Signed off on daily safety tool-box sheet. Spent morning familiarizing further with sites that require monitoring of environmental interests. Work forecast, day off.

Photos of Sites Visited & Topics Discussed This Week



Aug 20/18 KP 1002+250

One of two signs clipped by dozer blade



Aug 20/18 KP 1018+680

Location of non fish bearing drainage with installed geo tec



Aug 20/18 KP 1007+690

Opening in top soil and seconds for drainage



Aug 22/18

picture of view looking East from top of ridge 1025



Aug 23/18 SSKP 1057

picture of frog area



Aug 23/18 SSKP 1057

picture of plant and insects butterflies



Aug 24/18 SSKP 1057

traditional medicine inside gully

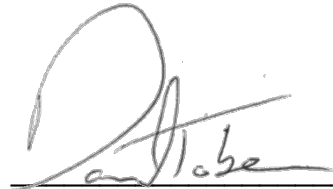
APPROVALS



Lee Bear
Construction Monitor

August 31, 2018

Date



Daniel Tober
Senior Environmental Scientist

August 31, 2018

Date